

Applicant: Bozidar Ferek-Petric
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CLAIMS

1.-35 (canceled)

36. (currently amended) A method for remote bi-directional communication over a network between a programmer in telemetry communication with an implantable medical device and client computer, comprising:

transmitting and receiving data between a programmer and an implantable medical device;

transmitting and receiving data between the programmer and a server;

transmitting and receiving a first data stream between the server and a client computer over a network via a first communication protocol wherein the client computer sends a receipt upon receiving the first data stream from the server and the server sends the receipt upon receiving the first data stream from the client computer; and,

transmitting a second data stream between the server and the client computer over a network via a second communication protocol different from the first communication protocol wherein the server sends the second data stream to the client computer and the client computer sends the second data stream to the server and tan transmitting the second data stream occurs free from sending receipts.

37. (previously presented) The method as in claim 36, wherein the first data stream uses a Transmission Control Protocol/Internet Protocol (TCP/IP) containing both a sender's Internet address and a receiver's Internet address.

38. (previously presented) The method as in claim 36, wherein the second data stream transmits data using User Datagram Protocol/Internet Protocol (UDP/IP) containing a receiver's Internet address.

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39. (previously presented) The method as in claim 39, wherein the second data stream is a real-time electrocardiogram (ECG) waveform from the implantable medical device.

40. (previously presented) The method as in claim 39, wherein the real-time ECG waveform comprises ventricular depolarization complex (QRS) signals.

41. (previously presented) The method as in claim 39, wherein the real-time ECG waveform is an ongoing display where absence of data is readily ascertainable and not crucial to implantable medical device operation.